

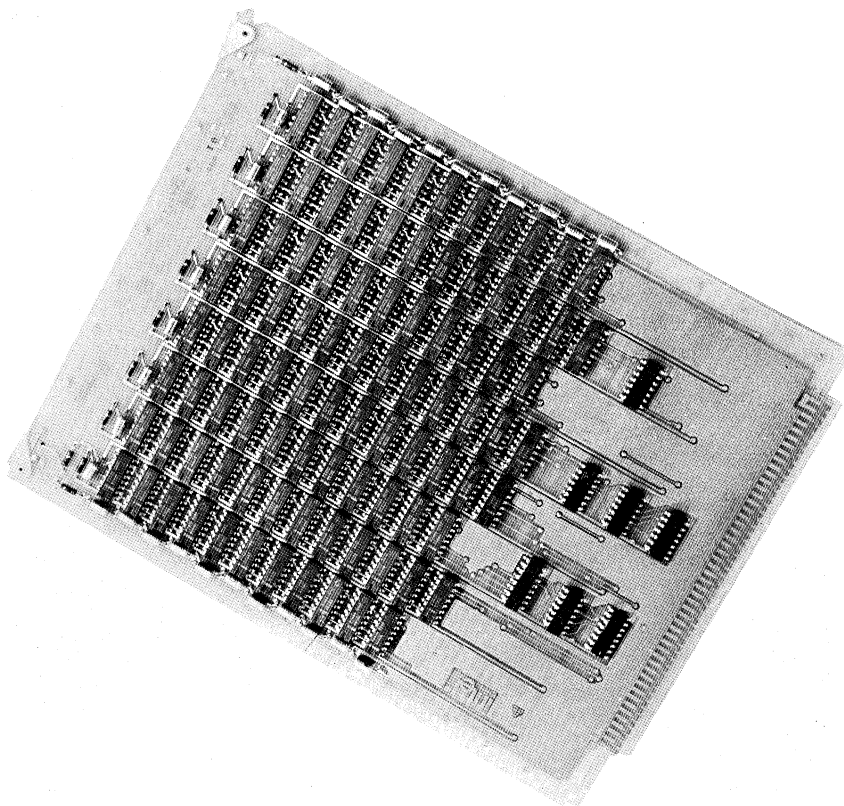


in-64

SERIAL MEMORY SYSTEM

The in-64 is designed to meet the high reliability and low cost requirements of large volume storage and CRT refresh applications. The in-64 features the use of a single power supply and MOS N-channel silicon gate technology. This system is available as a self-contained

88K words, with 1 bit or 2 bits per word depending on your requirements. It can be expanded to virtually any size, in either word or bit length, by the use of additional memory cards. The in-64 features a compact size, high reliability and ease of expansion.



in-64 FEATURES:

- Low Cost Memory
- High Reliability
- Modular Expandability
- Field Expandable
- One Power Supply Voltage
- Compact Size
- Adjustable Clocking
- Fully Buffered
- TTL Compatible
- Single Board System
- Single Phase Clocking

SPECIFICATIONS

Capacity:

Up to 88,000 words per memory card. Larger sizes are feasible by the addition of memory cards.

Word Length:

in-64 1 or 2 bits per memory card

Longer words are made possible by combining memory cards.

Clock Rate:

in-64: 10 MHz to 200 KHz

Access Time:

in-64 60 nanoseconds

Dimensions:

8.175 Inches High
10.5 Inches Deep
0.5 Inches—
Mounting Centers

Mating Connector: See page 6-30.

Interface Characteristics:

TTL Compatible

Data Input:

in-64 2 lines, single ended

Data Output:

in-64 4 lines, single ended
(2 Data Out, +2 Data Out)

Data Input Control:

2 lines (clock), single ended
(Collect/Recirculate, Clock)

D.C. Power Requirement:

+5.0V $\pm 5\%$ at 6.0 Amps (Max.)

Environment:

Temperature: 0°C to +50°C operating ambient
-40°C to +125°C non-operating

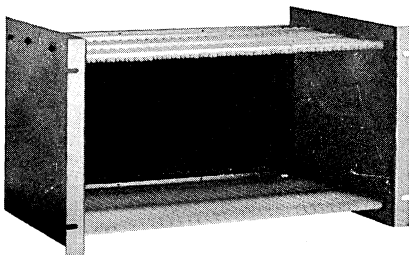
Relative Humidity: Up to 90% with no condensation

Altitude: 0 to 10,000 feet operating.
Up to 50,000 feet non-operating.

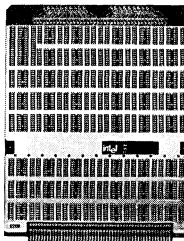
Special Options:

Intel also offers the in-64 mounted in a card chassis wire-wrapped to the size ordered. This chassis can be mounted in a 19" relay rack. A power supply is also available for this system that will mount below the memory chassis. The power unit is modular and can supply up to a full card chassis of memory. A blower assembly is also available for this system. This blower assembly draws air from the front, back, or below to properly cool the memory card chassis. Options seen below, and others, can be found on pages 26 to 29.

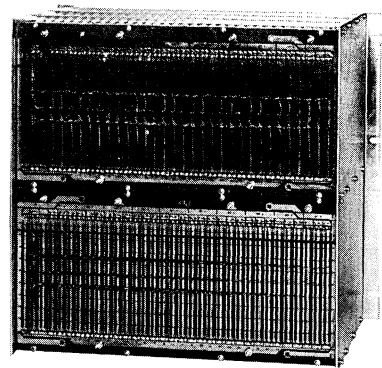
MEMORY
SYSTEMS



in-Unichassis



UT-10/40
Series Interface Board



in-CHS-II